



SEQUENCE LISTING

Handfield, Martin  
Brady, Jeannine  
Progulske-Fox, Ann  
Hillman, Jeffrey D.

<120> Microbial Polynucleotides Expressed During Infection of  
a Host

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<151> 1999-08-06

<150> PCT/US00/21340

<151> 2000-08-04

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<170> PatentIn Ver. 2.1

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aaaagaaaaa tacaacttag acgtagaata cgttttattc atgactacgc cttgccaaac 180
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 Leu Asn Gln Ala Lys Ala Glu Trp Arg Leu Phe Lys Leu Lys His His  
 35 40 45  
 Leu Gly Ile Gln Gly Phe Leu Ser Gly Leu Phe Thr Phe Val Leu Arg  
 50 55 60

Ser Gly Ala Arg Leu Leu Pro Thr Ser Leu Leu Lys Asn Ile Tyr Gln  
65 70 75 80

Thr Phe Leu Arg Lys  
85

<210> 17

<211> 152

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<400> 17

Asp Arg Asn Lys Arg Ser Phe Tyr Ile Ser Ala Ala Arg Ser Glu Ile  
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Phe Asn Leu Ile Val Ala Lys Arg Ile Glu Leu Ser Leu Ala Gln Gln  
20 25 30

Val Leu Asn Gly Asp Val Leu Gln Leu Asn Gly Ser His Ser Trp Phe  
35 40 45

Val Ala Asp Ala Ser Glu Asp Leu Thr Gln Leu Gln Gln Arg Leu Ala  
50 55 60

Gln Arg Asp Ile Leu Leu Thr Ala Pro Leu Ile Gly Glu Glu Asp Lys  
65 70 75 80

Ser Ala Val Asp Phe Glu Asn Glu Ile Phe Val Ala His Gln Ala Leu  
85 90 95

Phe His Leu Met Arg Gln Glu Arg Val Lys Ala Ala Arg Arg Pro Ile  
100 105 110

Leu Met Gln Ala Gln Gln Phe Gln Trp Gln Phe Glu Pro Asn Gly Leu  
115 120 125

Arg Leu Lys Phe Tyr Leu Pro Ala Gly Ser Tyr Ala Thr Ala Leu Val  
130 135 140

Arg Glu Leu Val Asn Val Glu Asn  
145 150

<210> 18

<211> 198

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<220>

<221> UNSURE

<222> (43)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (50)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (59)

<223> Xaa stands for any amino acid.

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<221> UNSURE

<222> (66)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (69)

<223> Xaa stands for any amino acid.

<400> 18

Met	Asn	Ile	Leu	Leu	Ser	Asn	Asp	Asp	Gly	Ile	His	Ala	Pro	Gly	Ile
1				5					10					15	

Arg	Val	Met	Arg	Thr	Leu	Arg	Lys	Ile	Ala	Asn	Val	Thr	Ile	Val	Ala
			20					25					30		

Pro	Asp	Ser	Asn	Arg	Lys	Arg	Arg	Leu	Gln	Xaa	Leu	Asn	Leu	Gly	Glu
		35					40					45			

Ala	Xaa	Val	Phe	Arg	Ser	Phe	Gly	Lys	Ala	Xaa	Ile	Ile	Ala	Ser	Thr
	50					55					60				

Ala	Xaa	Pro	Ala	Xaa	Cys	Val	His	Ile	Ala	Leu	Thr	Gly	Phe	Leu	Ser
65					70					75					80

Gly	Arg	Ile	Asp	Leu	Val	Ile	Ser	Gly	Ile	Asn	Ala	Gly	Ala	Asn	Leu
				85					90					95	

Gly	Asp	Asp	Val	Leu	Tyr	Ser	Gly	Thr	Val	Ala	Ala	Ala	Phe	Glu	Gly
			100					105					110		

Arg	His	Leu	Gly	Leu	Pro	Ser	Ile	Ala	Val	Ser	Leu	Asp	Gly	Arg	Gln
		115					120					125			

His	Phe	Glu	Thr	Ala	Ala	Arg	Val	Val	Cys	Asp	Leu	Val	Pro	Lys	Leu
	130					135					140				

His	Ala	Gln	Leu	Leu	Gly	Lys	His	Glu	Ile	Leu	Asn	Ile	Asn	Val	Pro
145					150					155					160

Asp	Val	Pro	Tyr	Glu	Glu	Leu	Lys	Gly	Ile	Lys	Val	Cys	His	Leu	Gly
				165					170					175	

Tyr	Arg	Ser	Ser	Ala	Ser	Glu	Val	Ile	Lys	Gln	Gln	Ser	Pro	Arg	Gly
			180					185					190		

Glu	Asp	Met	Tyr	Trp	Ile
		195			

<210> 19  
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<212> PRT  
<213> Actinobacillus actinomycetemcomitans

<400> 19

Asp Leu Pro Leu Ala Asn Pro Tyr Glu Met Leu Ile Leu Ala Ser Ile  
1 5 10 15  
Val Glu Lys Glu Thr Gly Ile Ala Ala Glu Arg Pro Gln Val Ala Ser  
20 25 30  
Val Phe Ile Asn Arg Leu Lys Ala Lys Met Lys Leu Gln Thr Asp Pro  
35 40 45  
Thr Val Ile Tyr Gly Met Gly Asp Asp Tyr Asn Gly Asn Ile Arg Lys  
50 55 60  
Lys Asp Leu Glu Thr Pro Thr Pro Tyr Asn Thr Tyr Val Ile Asp Gly  
65 70 75 80  
Leu Pro Pro Thr Pro Ile Ala Met Pro Ser Glu Glu Ala Leu Gln Ala  
85 90 95  
Val Ala His Pro Ala Gln Thr Ala Phe Tyr Tyr Phe Val Ala Asp Gly  
100 105 110  
Thr Gly Gly His Lys Phe Ser Arg Asn Leu Asn Glu His Asn Lys Ala  
115 120 125  
Val Gln Gln Tyr Leu Arg Trp Tyr Arg Glu Gln Asn Gly Lys  
130 135 140

<210> 20  
<211> 54  
<212> PRT  
<213> Actinobacillus actinomycetemcomitans

<400> 20

Met Val Gly Lys Phe Ile Val Ile Glu Gly Leu Glu Gly Ala Gly Lys  
1 5 10 15  
Ser Thr Ala His Gln Cys Val Val Asp Thr Leu Lys Thr Leu Gly Val  
20 25 30  
Gly Glu Val Ile Ser Thr Arg Glu Pro Gly Gly Thr Pro Val Gly Gly  
35 40 45  
Lys Ala Thr Pro Ser His  
50